



Why Palo 6A

Practise 6a (p.146)

1a) $\frac{9}{100} = 9\%$

b) $\frac{18}{200} = \frac{9}{100} = 9\%$

c) $\frac{165}{300} = \frac{165 \div 3}{300 \div 3} = \frac{55}{100} = 55\%$

d) $\frac{296}{400} = \frac{74}{100} = 74\%$

2a) $\frac{1}{2} = 50\%$

b) $\frac{3}{5}$

$= \frac{3}{5} \times 100\% = 60\%$

c) $\frac{7}{10} = 70\%$

d) $\frac{32}{50} = \frac{64}{100} = 64\%$

e) $\frac{24}{25} = \frac{96}{100} = 96\%$

f) $\frac{3}{4} = \frac{75}{100} = 75\%$

3a) $0.9 = 0.9 \times 100\%$
 $= 90\%$

b) 0.17 (move decimal point to the right)
 $= 17\%$

c) 0.03
 $= 3\%$

d) 0.028
 $= 2.8\%$

e) 0.005
 $= 0.5\%$

f) 0.104
 $= 10.4\%$

4a) $\frac{3}{8}$
 $= 3 \div 8 \times 100\%$
 $= 37.5\%$

b) $\frac{7}{16}$
 $= 7 \div 16 \times 100\%$
 $= 43.75\%$

c) $\frac{28}{32}$
 $= \frac{28}{32} \times 100\%$
 $= \frac{7}{8} \times 100\%$
 $= 87.5\%$

$$5a) \quad 32\% \\ = \frac{32}{100} = \frac{8}{25}$$

$$b) \quad 5\% \\ = \frac{5}{100} = \frac{1}{20}$$

$$c) \quad 0.8\% \\ = \frac{0.8}{100} = \frac{8}{1000} = \frac{1}{125}$$

$$6a) \quad 55\% \\ = 55 \div 100 = 0.55$$

$$b) \quad 87\% \\ = 0.87 \quad (\text{move decimal point to the left})$$

$$c) \quad 7\% \\ = 0.07$$

$$7a) \quad \frac{47}{86} \\ = 0.55 \times 100\% \\ \approx 55\% \quad (\text{correct to whole number})$$

$$b) \quad \frac{190}{345} \\ = 0.55 \times 100\% \\ = 55\% \quad (\text{whole number})$$

$$c) \quad \frac{84}{505} \\ = 0.17 \times 100\% \\ = 17\% \quad (\text{whole number})$$

$$d) \quad \frac{467}{975} \\ = 0.48 \times 100\% \\ = 48\% \quad (\text{whole number})$$

My Prob 6A

Practise 6a (p.147)

(8)

% left

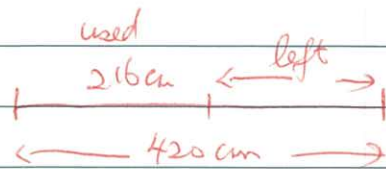
$$= \frac{\text{left}}{\text{total length}} \times 100\%$$

$$= \frac{420 - 216}{420} \times 100\%$$

$$= \frac{204}{420} \times 100\%$$

$$= 48.6\% \text{ (1.d.p.)}$$

There are 48.6% of ribbon left.



(9)

$$\frac{780 - 221 - 130}{780} \times 100\%$$

$$= \frac{429}{780} \times 100\%$$

$$= 55\%$$

55% of milk are left.

(11)

$$\text{Interest} = 55000 \times 3.3\%$$

$$= 55000 \times \frac{3.3}{100}$$

$$= \$1815$$

Money in the account after 1 year:

$$55000 + 1815$$

$$= \$56815$$

(10)

$$\text{GST} = 4.28 - 4.00 = \$0.28$$

$$\frac{0.28}{4} \times 100\%$$

$$= 0.07 \times 100\%$$

$$= 7\%$$

7% of the selling price was the GST.

(12)

$$55000 \times (1 + 3.3\%)$$

$$= 55000 \times \frac{103.3}{100}$$

$$= \$56815$$

Money in the account after 1 year is \$56815

(12)

$$2 \text{ h } 25 \text{ min} = 2 \times 60 + 25 = 145 \text{ min}$$

$$\frac{30}{145} \times 100\%$$

$$= 20.7\%$$

$$\approx 21\% \text{ (whole number)}$$

21% of Rahayu's time in the library is reading newspaper.

[illegible]